



## Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

### COLD AND WET CONDITIONS HOLD STEADY

This past week provided no relief from continuing cold and wet conditions, according to the USDA, NASS, Minnesota Field Office. Statewide average temperatures were 7.1° below normal. A large storm on April 19-20 passed across southeastern Minnesota and dropped record-setting snowfall in some areas, including 3.8 inches in Rochester and 5.1 inches in La Crescent. Snow melted quickly as afternoon temperatures reached the 40s. North of this storm system, cold temperatures prevailed with readings in the teens.

Conditions have contributed to saturated fields and low soil temperatures. The anticipated start date for full scale fieldwork was pushed back to May 1. Less than one day was rated suitable for fieldwork. Other agricultural activity included preparing implements for fieldwork, tiling, and calving.

As of April 24, topsoil moisture supplies were rated 55 percent adequate and 45 percent surplus, compared to 51 percent adequate and 49 percent surplus during the previous week. Oats planted held steady at 4 percent, compared to 82 percent last year and 39 percent for the five-year average. Barley was 1 percent planted, compared to 82 percent last year and 25 percent average. Land prepared for corn and soybeans was rated 2 percent and 1 percent, respectively, unchanged from the previous week.

Precipitation received during the week did not significantly impact area rivers. Water levels have receded, but several areas along the Minnesota River are still under flood warning.

#### Days Suitable for Fieldwork: 0.8

	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	0	55	45

#### Crop Progress as of April 24, 2011

Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Land Prepared	2	2	73	33
	Planted	0	0	56	22
Soybeans	Land Prepared	1	1	20	8
	Planted	0	NA	3	1
Oats	Planted	4	4	82	39
	Emerged	0	0	34	9
Spring Wheat	Planted	0	0	81	25
	Emerged	0	NA	23	5
Barley	Planted	1	1	82	25
	Emerged	0	NA	26	7
Approximate Date to Begin Full-Scale Fieldwork		5/1	4/25	4/13	4/21

The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:

<http://climate.umn.edu/doc/weekmap.asp>

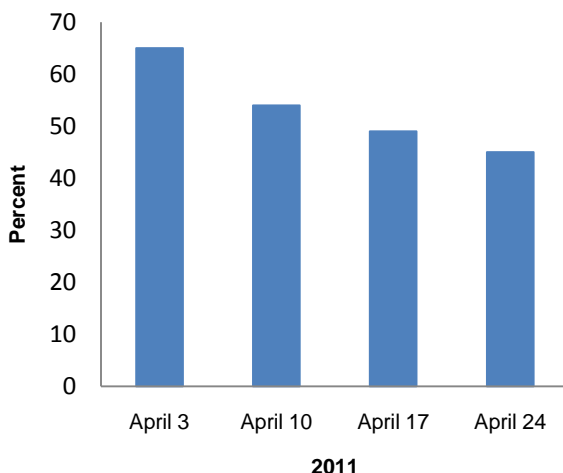
Spring flood information:

[http://climate.umn.edu/doc/journal/flood\\_2011/flooding\\_2011.htm](http://climate.umn.edu/doc/journal/flood_2011/flooding_2011.htm)

National Weather Service's Minnesota Data:

<http://www.nws.noaa.gov/view/states.php?state=MN>

Topsoil Moisture Supply Rated Surplus



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING April 24, 2011:  
Temperatures averaged from 9.4 degrees below normal in the Southwest District to 4.9 degrees below normal in the Northwest, North Central Districts. Extremes: 16 degrees in Hibbing; 64 degrees in Moorhead, Grand Rapids. Average precipitation ranged from 0.19 inch below normal in the South Central District to 0.14 inch above normal in the Northeast, West Central Districts. Greatest weekly total of 0.97 inch was recorded in Preston.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website;  
<http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 4/18/2011 through 4/24/2011

	Temperature				Precipitation			
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Four Weeks	From Norm Since 4/1	
<u>NW DIST 1</u>								
Crookston	53	25	38.4	-6.4	.41	.07	.75	.86
Itasca	52	19	35.0	-5.7	.55	.13	1.47	1.64
Moorhead	64	29	41.2	-5.3	.62	.28	.86	.93
Pembina, ND	56	22	37.2	-5.5	.13	-.12	.78	.89
Warroad	61	21	39.1	-1.3	.11	-.20	1.46	1.57
<u>NC DIST 2</u>								
Grand Rapids	64	21	37.8	-6.0	.53	.08	.15	.34
Intl. Falls	62	18	38.4	-3.8	.27	-.08	1.62	1.76
<u>NE DIST 3</u>								
Duluth	60	24	37.0	-4.6	.54	.04	.15	.40
Grand Marais	49	20	35.8	-4.5	.40	.08	.15	.30
Hibbing	61	16	35.2	-6.9	.69	.31	.29	.44
<u>WC DIST 4</u>								
Alexandria	60	25	39.4	-6.0	.52	.06	-.59	-.40
Browns Valley	55	25	38.3	-9.1	.83	.35	-.73	-.48
Canby	49	30	38.8	-9.3	.46	-.08	-1.03	-.76
Montevideo	50	29	39.6	-7.5	.59	.04	-.63	-.38
Morris	50	29	38.1	-8.9	.71	.22	-.87	-.65
Wheaton	53	29	38.6	-7.8	.69	.22	-.51	-.27
<u>CENT DIST 5</u>								
Becker	49	27	39.4	-7.8	.55	-.06	-.16	.12
Collegeville	62	23	40.2	-8.3	.74	.22	-.71	-.44
Hutchinson	49	28	39.4	-8.1	.62	.09	.30	.56
Melrose	49	27	38.0	-8.0	.69	.16	-.74	-.49
Olivia	49	30	39.8	-7.2	.61	.04	-.47	-.21
St. Cloud	61	25	40.2	-6.2	.45	-.07	-.56	-.56
Wadena	51	26	37.3	-6.7	.49	.01	.01	.26
Willmar	49	27	38.4	-7.5	.74	.22	-.11	.14
<u>EC DIST 6</u>								
Aitkin	50	26	36.6	-7.0	.67	.17	.02	.25
Forest Lake	53	29	40.0	-7.1	.40	-.19	-.78	-.52
Hinckley	48	21	36.0	-7.7	.54	-.02	-.65	-.38
MSP Airport	62	32	42.4	-6.8	.49	-.06	-1.17	-1.00
St. Paul - UofM	49	30	39.3	-9.5	.43	-.19	-1.26	-.97
<u>SW DIST 7</u>								
Lamberton	47	29	38.6	-9.0	.70	.03	-.92	-.62
Marshall	48	20	36.7	-11.2	.72	.16	-.20	.09
Pipestone	47	27	36.7	-10.5	.57	-.02	.45	.66
Redwood Falls	61	30	41.9	-7.7	.66	.05	.94	1.04
Sioux Falls	59	25	39.9	-8.1	.64	-.01	.27	.30
Worthington	47	25	36.0	-10.1	.80	.14	.07	.39
<u>SC DIST 8</u>								
Faribault	52	28	39.0	-7.8	.55	-.14	-.35	-.03
North Mankato	48	29	38.4	-10.8	.25	-.49	-1.26	-.90
Waseca	49	29	39.0	-8.6	.50	-.28	.20	.59
Winnebago	47	29	39.2	-9.4	.89	.15	-.01	.31
<u>SE DIST 9</u>								
Preston	52	24	39.2	-8.2	.97	.17	.06	.40
Red Wing	51	32	41.0	-7.4	.41	-.26	-1.23	-.94
Rochester	57	31	42.2	-5.0	.77	.03	-.08	.24
Rosemount	49	29	39.5	-8.4	.51	-.18	-1.30m	-.95m
Winona	51	31	40.6	-7.8	.74	-.08	-.02	.32
m=some data missing								

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